

Amendments to the Claims

1. (Currently Amended) An abrader device for delivering a substance into skin via an abrasion process, said abrader device comprising:

a base having a top surface and a bottom surface onto which an abrader surface with microprotrusions is mounted, said microprotrusions are frustroconical protrusions and each protrusion having at least one scraping edge for forming a furrow along a length of the skin;

a handle projecting from the top surface of the ~~base~~device; and

~~means~~ a spring operably engaged between the handle and the base, wherein movement of the handle causes proportional compression of the spring for controlling the amount of force or pressure applied to the microprotrusions as the abrader surface moves across the skin thereby forming a furrow of a substantially consistent depth along its length.

2. (Original) The abrader device according to Claim 1, further comprising a housing surrounding the base; wherein the handle is a push button that collapses inside the base when activated, and the base rotates with respect to the housing and proportionally to the push button collapse, thereby causing the abrader surface to rotate against skin when the housing is placed against skin.

Claims 3-6 Cancelled

7. (Original) The abrader device according to Claim 1, wherein the microprotrusions are of a depth of about 5 to about 250 microns.

8. (Currently Amended) The abrader device according to Claim 2, wherein said ~~means for controlling the amount of force or pressure~~ spring is a preloaded spring that deflects only if a sufficient amount of pressure is present, and further comprising a detent on said base that engages a portion of said pushbutton after said push button has been fully depressed wherein said detent retains said microprotrusions inside said housing

Claims 9-25 Cancelled

26. (New) The abrader device according to Claim 2, wherein said pushbutton has a first detent, wherein said first detent is engagable with a cooperating second detent on said base.
27. (New) The abrader device according to Claim 2, wherein said first and second detents hold the pushbutton in a substantially extended position, thereby retracting the abrader into the device.
28. (New) The abrader device according to Claim 1, wherein said pushbutton has a pin, wherein said pin is engagable with a track on said base.
29. (New) The abrader device according to Claim 2, wherein said pushbutton has a pin, wherein said pin is engagable with a track on said base.
30. (New) The abrader device according to Claim 29, wherein said track is substantially helical.
31. (New) The abrader device according to Claim 30, wherein movement of said pin along said track causes a substantially 360 degree rotation of said base.
32. (New) The abrader device according to Claim 8, wherein said abrader is removably mounted to said base.

33. (New) The abrader device according to Claim 1, wherein said abrader is permanently adhered to said base.
34. (New) The abrader device according to Claim 1, wherein said abrader is removably mounted to said base.
35. (New) The abrader device according to Claim 1, wherein said device further comprises a housing and a retraction spring disposed between said housing and said base, wherein said retraction spring retracts the abrader into the device.
36. (New) The abrader device according to Claim 35, wherein said pushbutton has a pin, wherein said pin is engagable with a track on said base.
37. (New) The abrader device according to Claim 36, wherein said track is substantially helical.
38. (New) The abrader device according to Claim 37, wherein movement of said pin along said track causes a substantially 360 degree rotation of said base.
39. (New) The abrader device according to Claim 1, wherein said device further comprises a housing, and a first end of said housing which is adapted to stretch the skin when the device is pressed against the skin, thereby providing a tight skin area to aid the abrading surface in scraping the skin area.
40. (New) The abrader device according to Claim 35, wherein said housing has a first end adapted to stretch the skin when the device is pressed against the skin, thereby providing a tight skin area to aid the abrader surface in scraping the skin area.